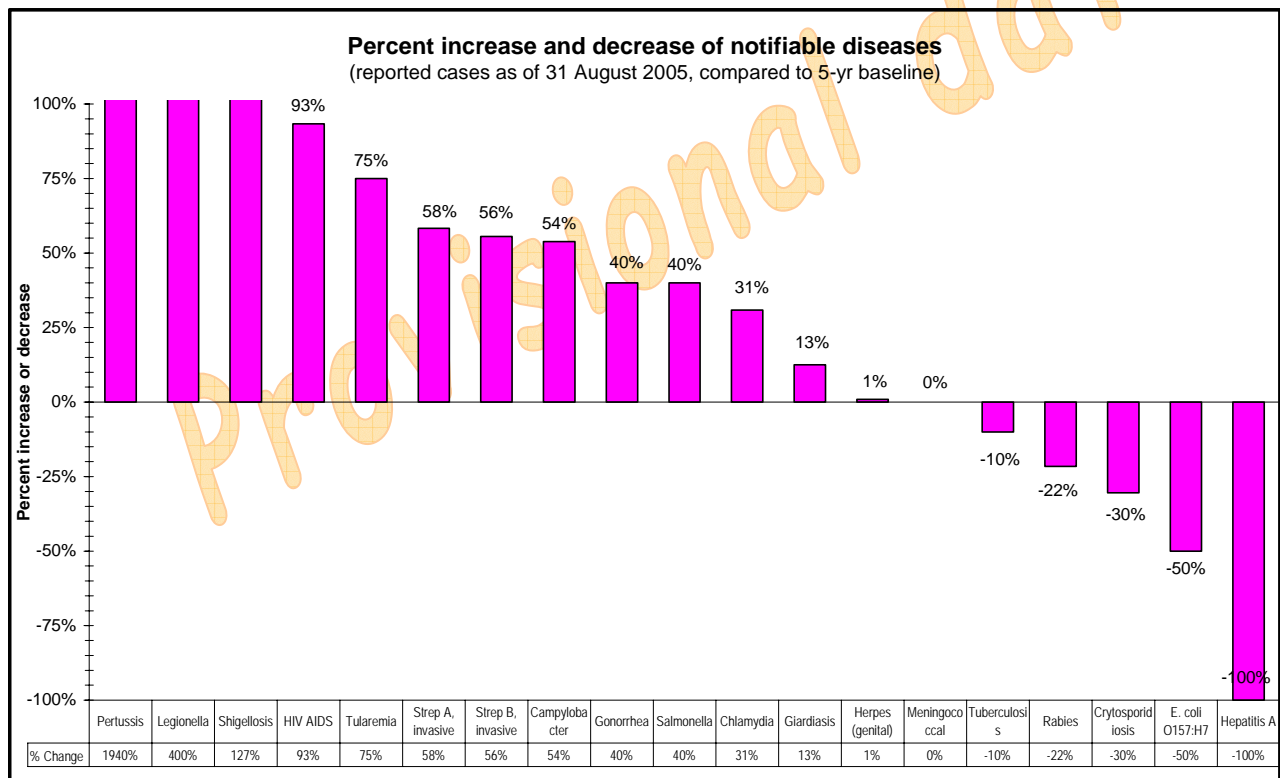


SOUTH DAKOTA INFECTIOUS DISEASE SUMMARY: 1 January – 31 August 2005

These data are *provisional*.

Disease/agent	August cases	Cases as of 8/31/05	Incidence as of 8/31/05	5-year median cases	Percent increase/decrease	Comments
Campylobacteriosis	28	200	25.9	130	+54%	Cases primarily sporadic.
<i>E. coli</i> O157:H7	6	16	2.1	32	-50%	Highest incidence in Northeast
Salmonellosis	22	105	13.6	75	+40%	Highest rate in Southeast Region.
Shigellosis	7	25	3.2	11	+127%	Highest rate in West Region.
Giardiasis	17	63	8.2	56	+13%	Cases sporadic, no clusters.
Cryptosporidiosis	2	15	1.9	23	-30%	Cases sporadic. Highest rate in NE
HIV/AIDS	0	29	3.8	15	+93%	Highest rate in Southeast Region.
Gonorrhea	28	245	31.8	175	+40%	Highest rates in Central and West.
Chlamydia	256	1848	239.7	1412	+31%	Highest rate in Central and West
Herpes genital/neonatal	38	224	29.1	222	+1%	
Rabies (animal)	dna	51	na	65	-22%	32+ skunks, 11+ cattle, 4+ horses, 2+ bats, 1+ dog, 1+ cat
Tuberculosis	1	9	1.2	10	-10%	Highest rate in Central Region.
Strep A, invasive	3	19	2.5	12	+58%	Highest rate in Central Region.
Strep B, invasive	1	14	1.8	9	+56%	Highest rate in Southeast Region.
Pertussis	4	102	13.2	5	+1940%	Highest rate in Central Region.
Legionellosis	3	10	1.3	2	+400%	All cases in West Region.
Hepatitis A	0	0	0	2	-100%	No cases reported this year.
Meningococcal dis	0	2	0.3	2	0%	Last case in May.
Tularemia	0	7	0.9	4	+75%	Zoonotic transmission
Syphilis	1	1	0.1	0	NA	1 case year to date in Southeast.
Hantavirus	1	2	0.3	NA	NA	1 case each in West and Central.
West Nile disease:	as of 9-9-05, 204 human cases, 21 positive blood donors and 1 death.					



Incidence = cases reported per 100,000 population.

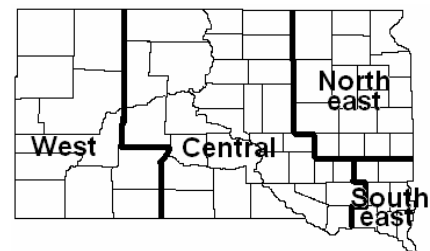
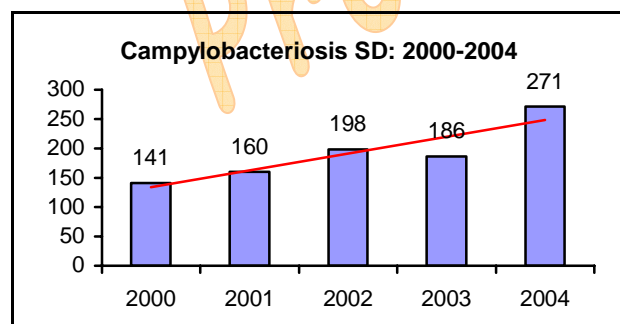
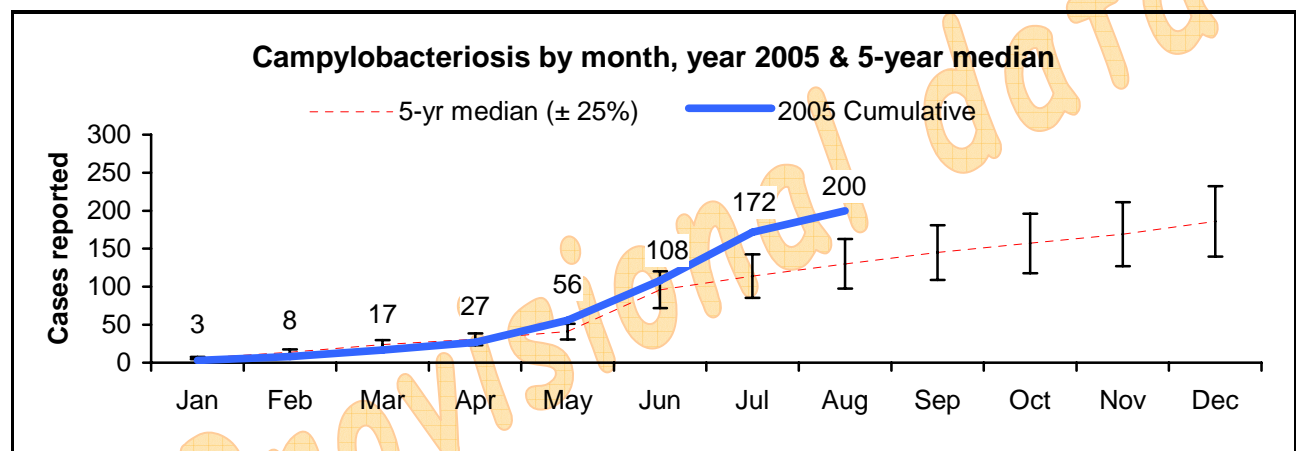
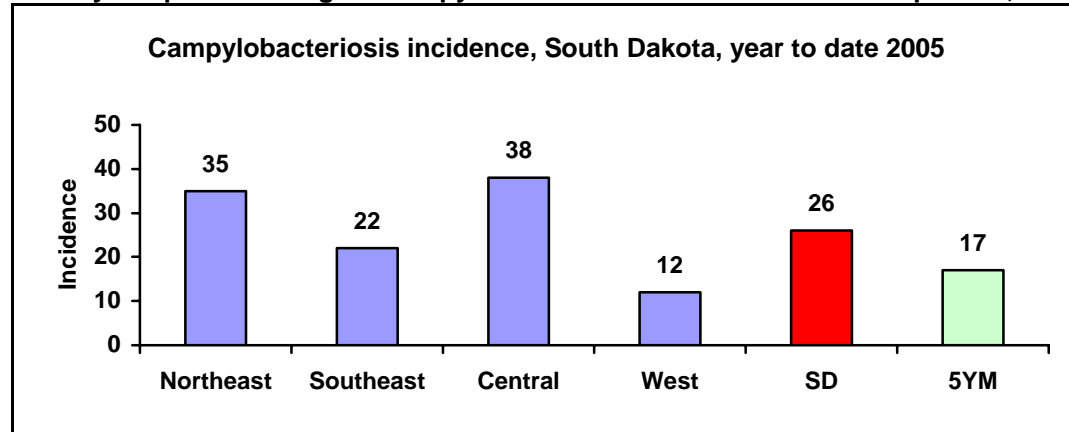
***Confidential disease reporting line 1-800-592-1804**

5YM= 5-year median

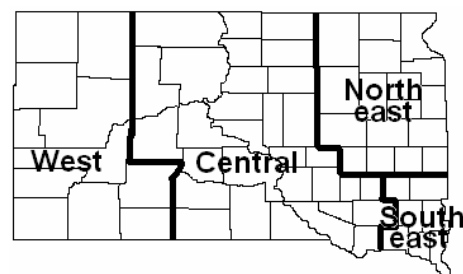
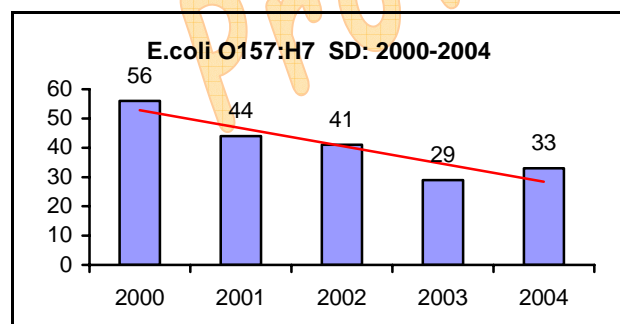
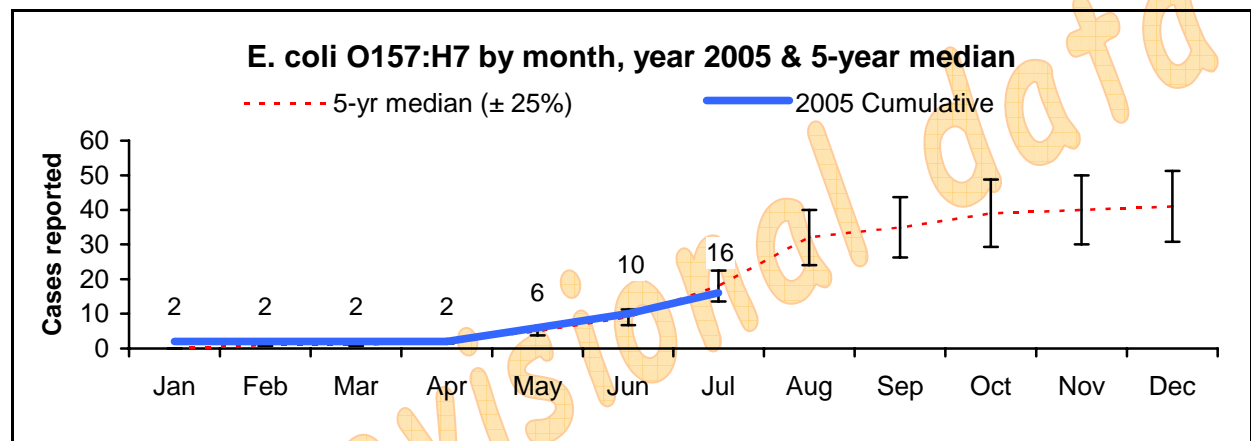
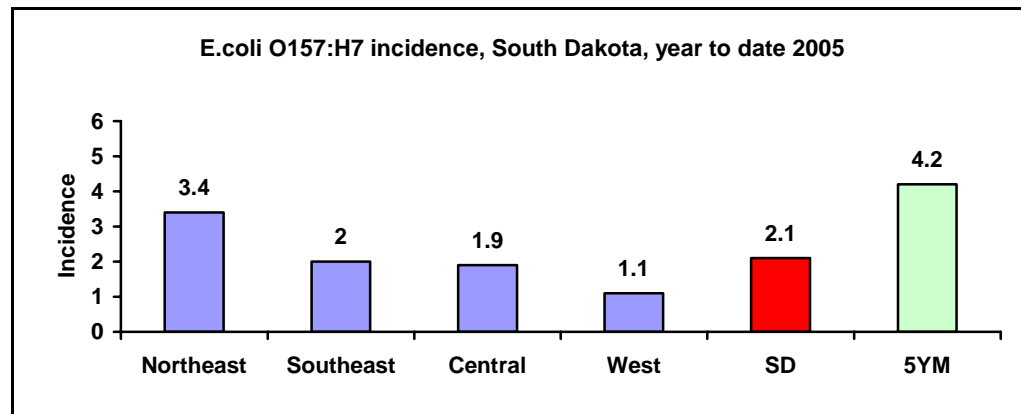
Population based on 2003 estimates

CAMPYLOBACTERIOSIS											
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
NorthEast Region	176,361	62	35.2	0	0	3	5	8	19	19	8
SouthEast Region	248,114	55	22.2	1	4	1	2	6	11	17	13
Central Region	158,182	60	37.9	1	1	4	2	10	18	20	4
Western Region	188,226	23	12.2	1	0	1	1	5	4	8	3
West River	233,472	37	15.8	1	0	3	1	8	8	13	3
East River	537,411	163	30.3	2	5	6	9	21	44	51	25
South Dakota YTD	770,883	200	25.9	3	5	9	10	29	52	64	28

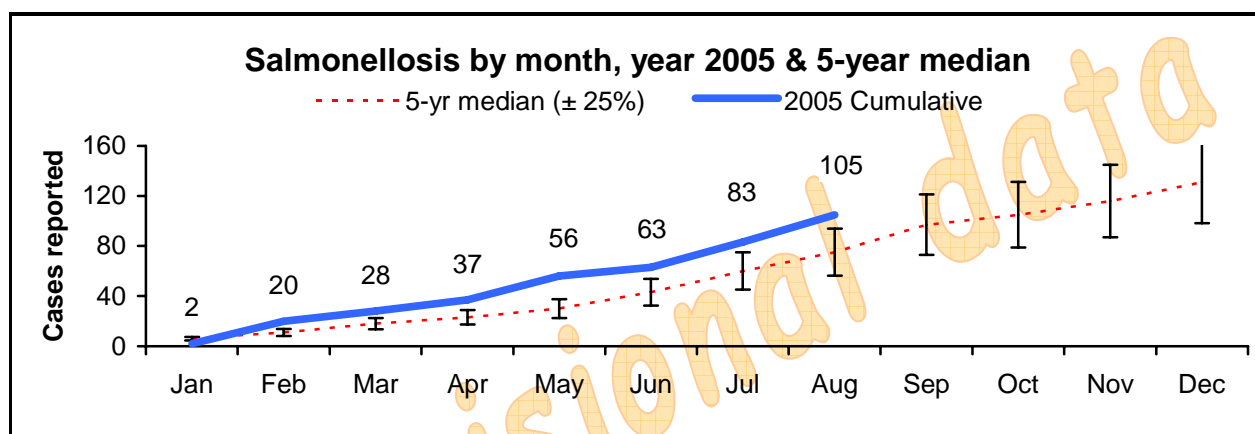
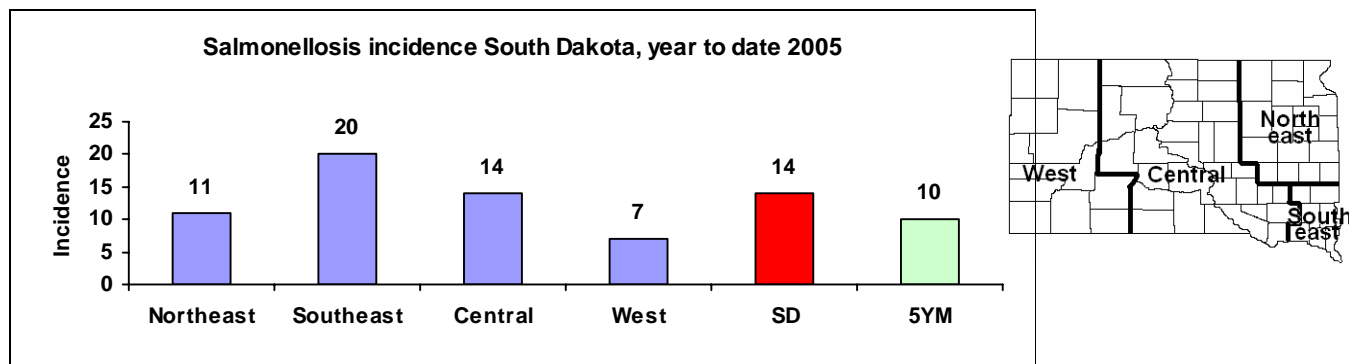
Healthy People 2010 Target: Campylobacter foodborne infections 12.3 per 100,000



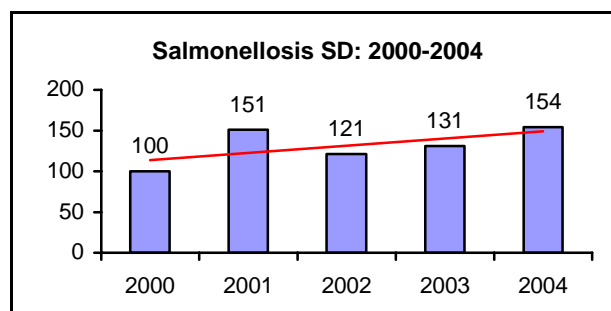
E. coli O157:H7											
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
NorthEast Region	176,361	6	3.4	0	0	0	0	0	2	2	2
SouthEast Region	248,114	5	2.0	2	0	0	0	0	1	0	2
Central Region	158,182	3	1.9	0	0	0	0	0	1	1	1
Western Region	188,226	2	1.1	0	0	0	0	0	0	1	1
West River	233,472	2	0.9	0	0	0	0	0	0	1	1
East River	537,411	14	2.6	2	0	0	0	0	4	3	5
South Dakota YTD	770,883	16	2.1	2	0	0	0	0	4	4	6



SALMONELLOSIS													
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug		
NorthEast Region	176,361	19	10.8	0	8	3	2	0	2	2	2		
SouthEast Region	248,114	49	19.7	1	6	1	3	9	3	14	12		
Central Region	158,182	23	14.5	1	2	2	1	5	2	4	6		
Western Region	188,226	14	7.4	0	2	2	3	5	0	0	2		
West River	233,472	20	8.6	1	2	3	4	6	0	0	4		
East River	537,411	85	15.8	1	16	5	5	13	7	20	18		
South Dakota YTD	770,883	105	13.6	2	18	8	9	19	7	20	22		



Salmonella serotype	TOTAL
S. derby	4
S. enteritidis	16
S. infantis	6
S. montevideo	4
S. muenchen	2
S. newport	6
S. oranienberg	4
S. paratyphi B	3
S. typhimurium	29
Other serotypes	31
TOTAL	105



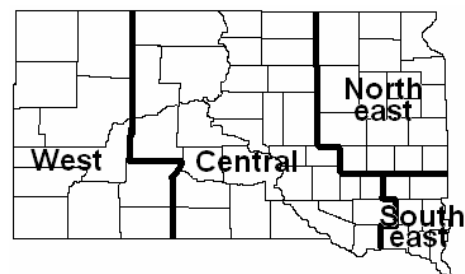
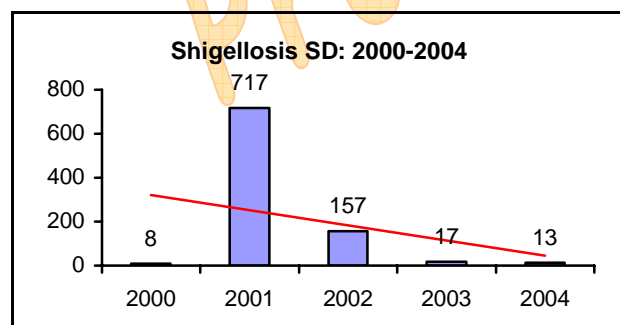
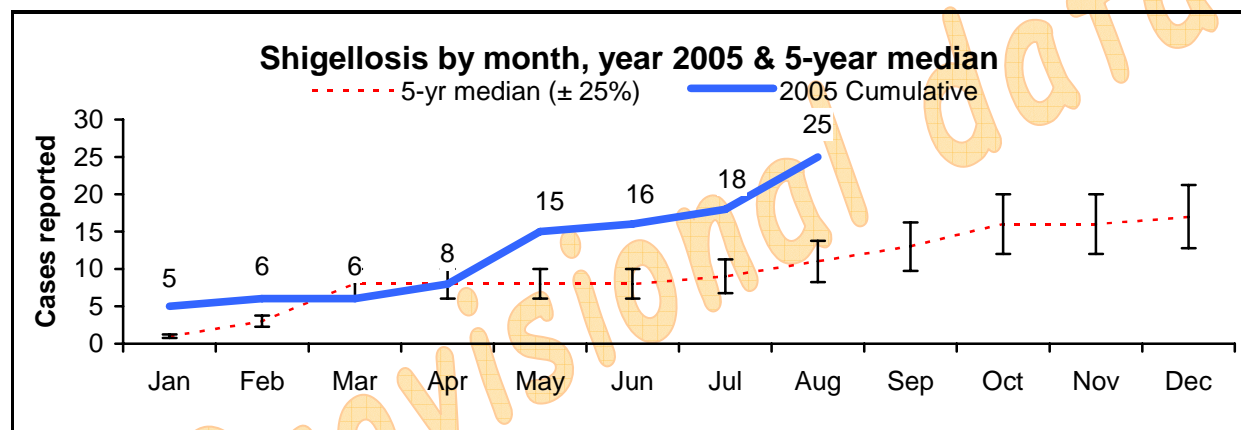
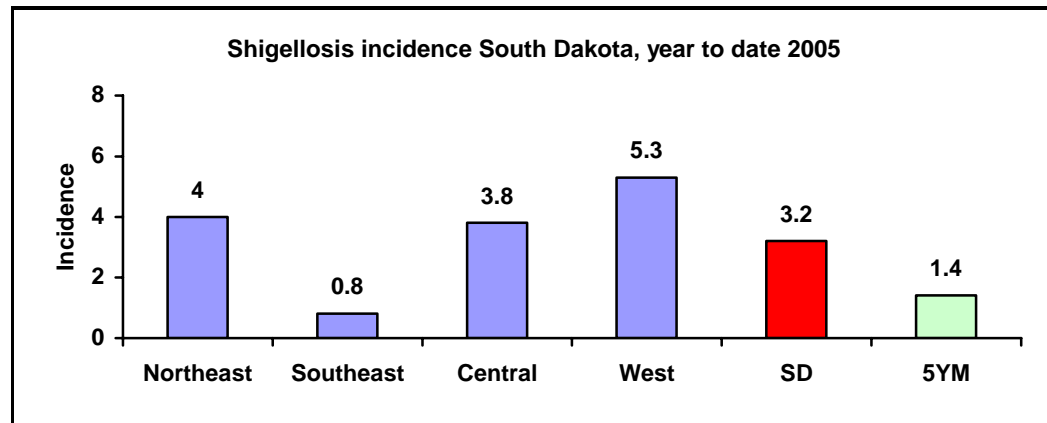
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

SHIGELLOSIS												
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
NorthEast Region	176,361	7	4.0	0	0	0	0	7	0	0	0	
SouthEast Region	248,114	2	0.8	0	1	0	0	0	1	0	0	
Central Region	158,182	6	3.8	5	0	0	1	0	0	0	0	
Western Region	188,226	10	5.3	0	0	0	1	0	0	2	7	
West River	233,472	14	6.0	3	0	0	2	0	0	2	7	
East River	537,411	11	2.0	2	1	0	0	7	1	0	0	
South Dakota YTD	770,883	25	3.2	5	1	0	2	7	1	2	7	



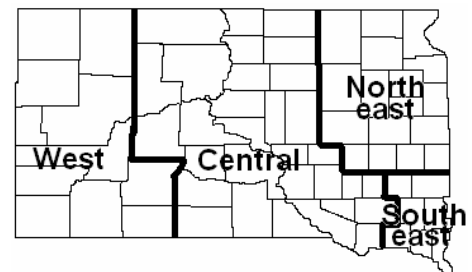
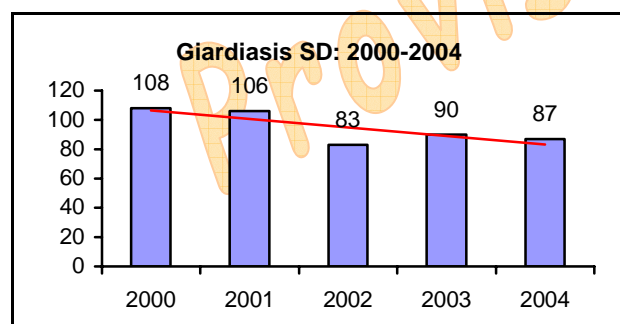
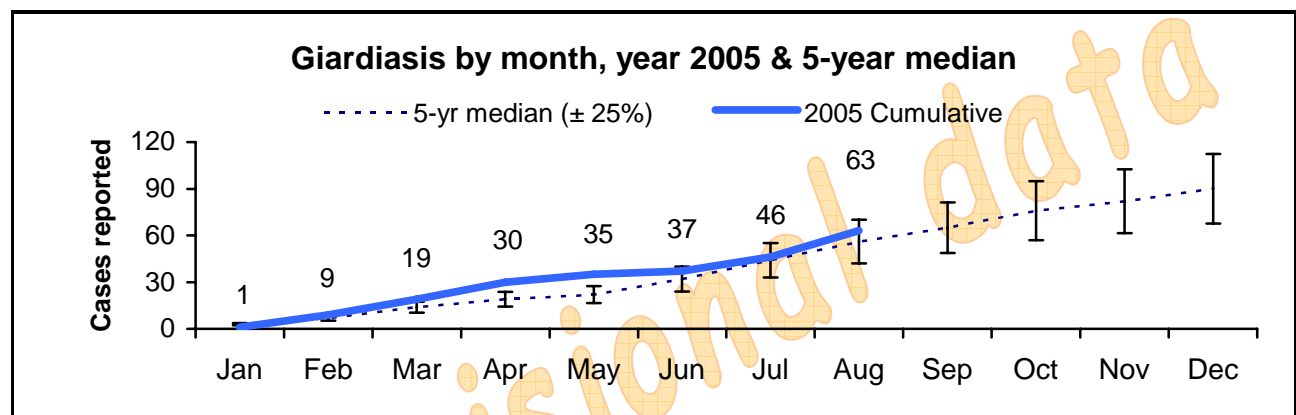
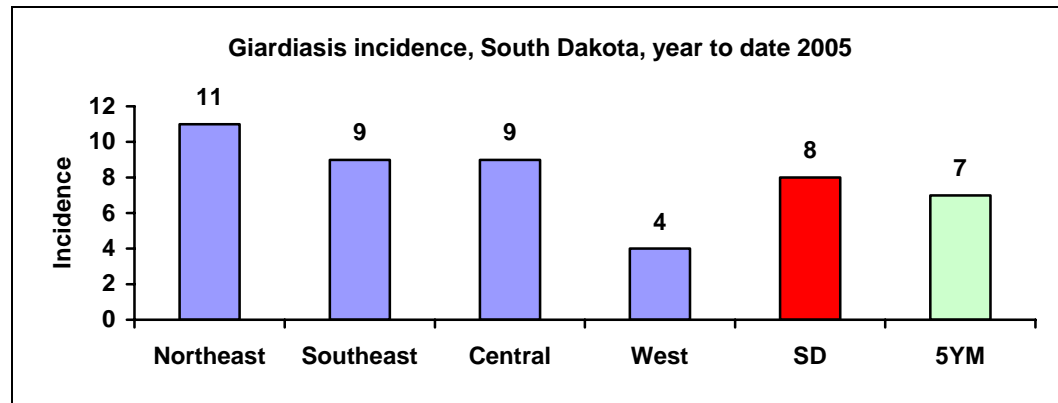
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

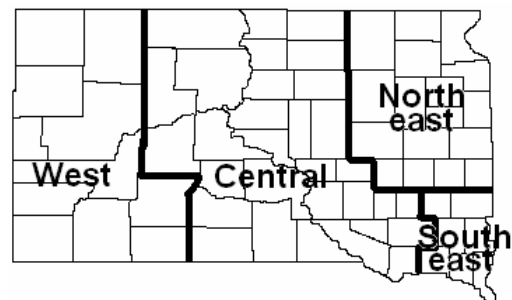
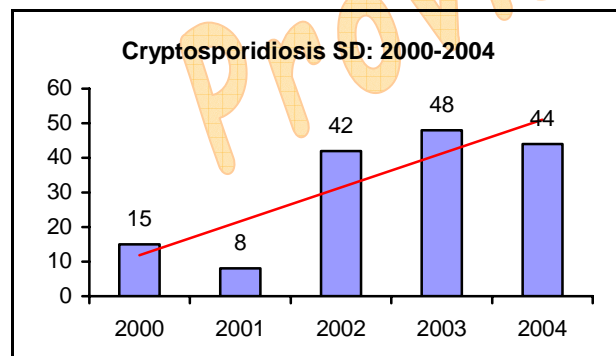
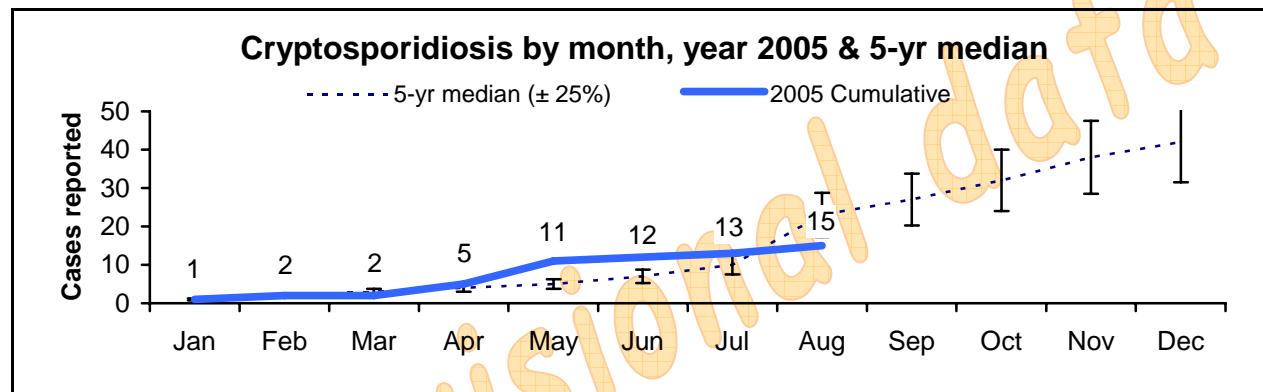
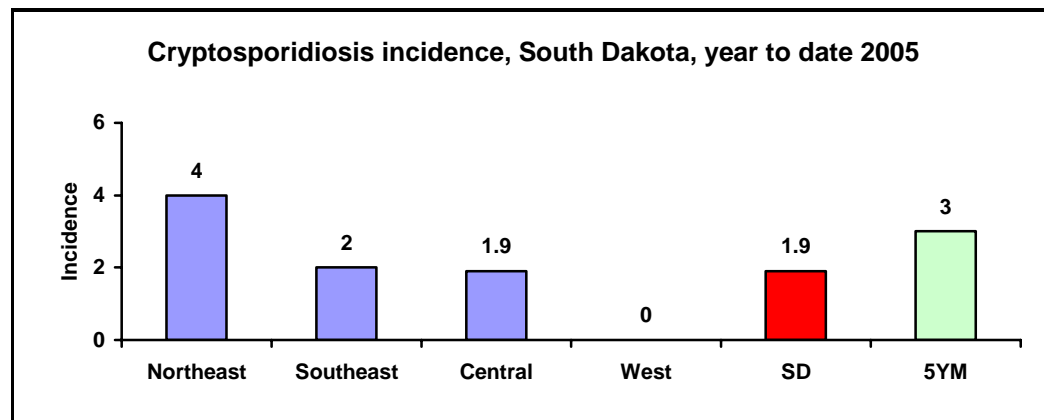
5YM= 5-year median

Population based on 2003 estimates

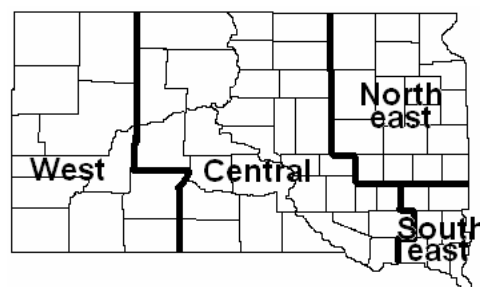
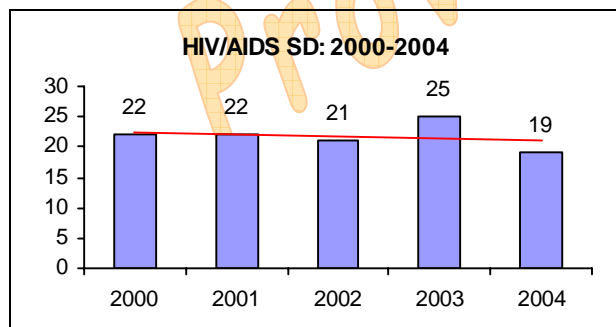
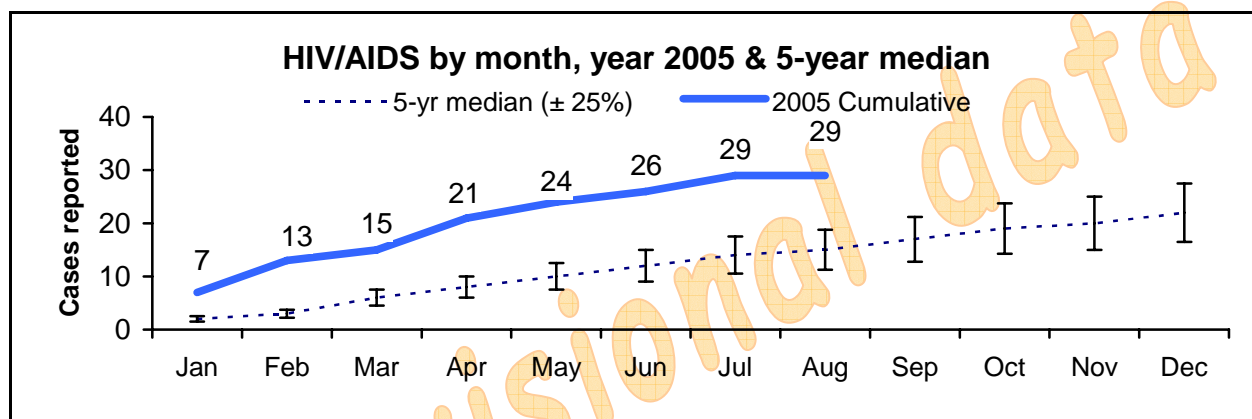
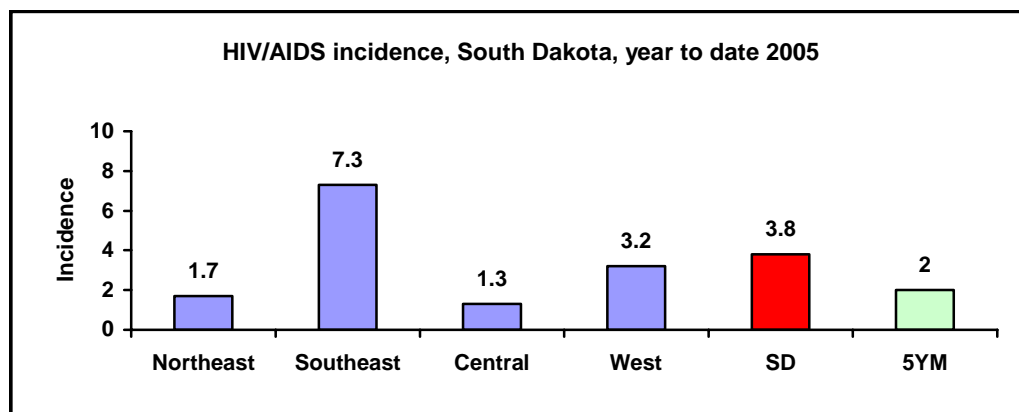
GIARDIASIS											
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
NorthEast Region	176,361	19	10.8	0	1	4	6	0	2	2	4
SouthEast Region	248,114	22	8.9	0	4	1	4	3	0	5	5
Central Region	158,182	14	8.9	1	3	2	1	1	0	1	5
Western Region	188,226	8	4.3	0	0	3	0	1	0	1	3
West River	233,472	12	5.1	0	3	4	0	1	0	1	3
East River	537,411	51	9.5	1	5	6	11	4	2	8	14
South Dakota YTD	770,883	63	8.2	1	8	10	11	5	2	9	17



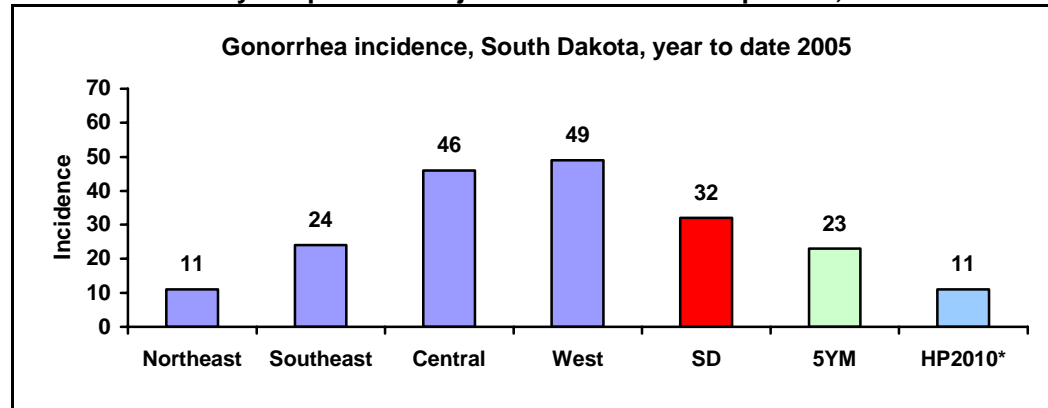
CRYPTOSPORIDIOSIS												
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
NorthEast Region	176,361	7	4.0	0	1	0	2	2	1	1	0	
SouthEast Region	248,114	5	2.0	1	0	0	1	1	0	0	2	
Central Region	158,182	3	1.9	0	0	0	0	3	0	0	0	
Western Region	188,226	0	0.0	0	0	0	0	0	0	0	0	
West River	233,472	0	0.0	0	0	0	0	0	0	0	0	
East River	537,411	15	2.8	1	1	0	3	6	1	1	2	
South Dakota YTD	770,883	15	1.9	1	1	0	3	6	1	1	2	



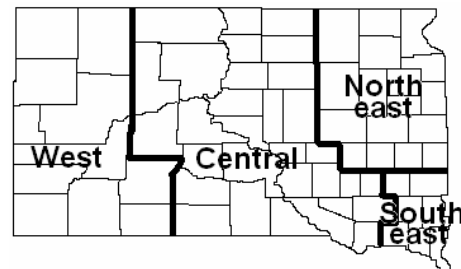
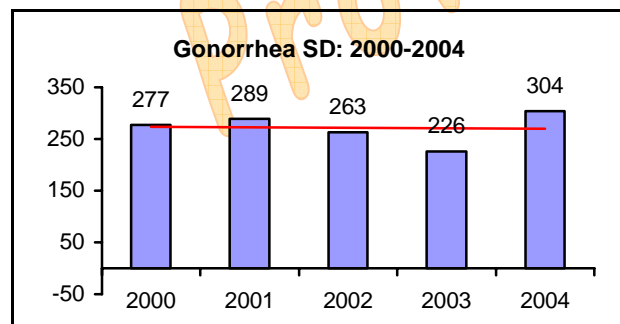
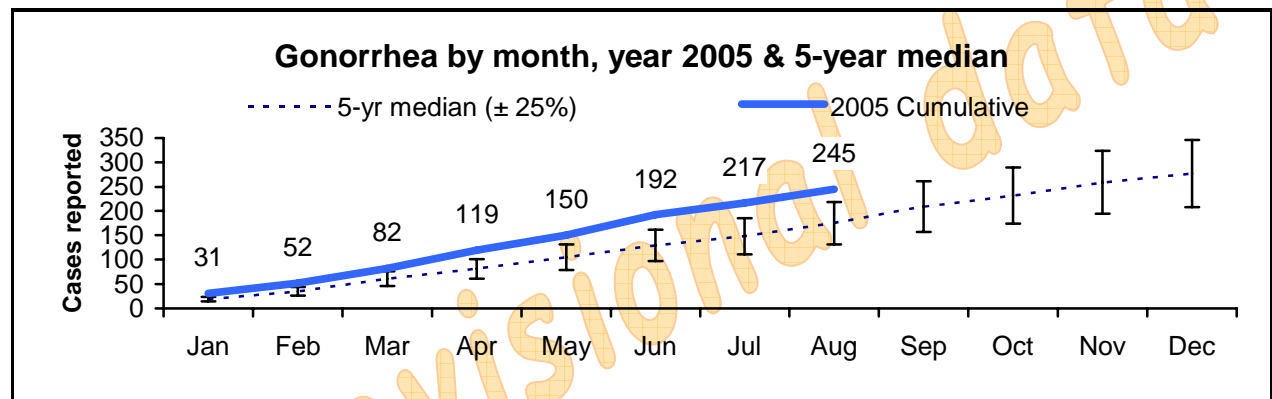
HIV / AIDS											
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
NorthEast Region	176,361	3	1.7			1		1	1		
SouthEast Region	248,114	18	7.3	5	4		5		1	3	
Central Region	158,182	2	1.3	1		1					
Western Region	188,226	6	3.2	1	2		1	2			
South Dakota YTD	770,883	29	3.8	7	6	2	6	3	2	3	0



GONORRHEA				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
REGION	Pop	# cases	Incidence								
NorthEast Region	176,361	20	11.3	3	1	3	2	3	4	2	2
SouthEast Region	248,114	60	24.2	10	5	7	10	3	9	7	9
Central Region	158,182	73	46.1	7	5	11	12	14	13	5	6
Western Region	188,226	92	48.9	11	10	9	13	11	16	11	11
West River	233,472	144	61.7	18	13	15	23	23	26	14	12
East River	537,411	101	18.8	13	8	15	14	8	16	11	16
South Dakota YTD	770,883	245	31.8	31	21	30	37	31	42	25	28

Gonorrhea Healthy People 2010 Objective: 19 new cases per 100,000

*Healthy People 2010 Objective for full year.



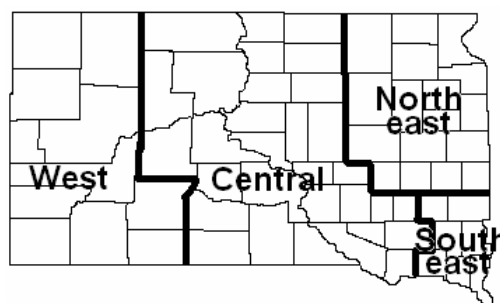
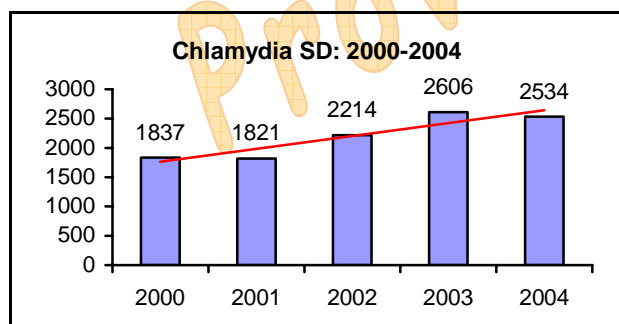
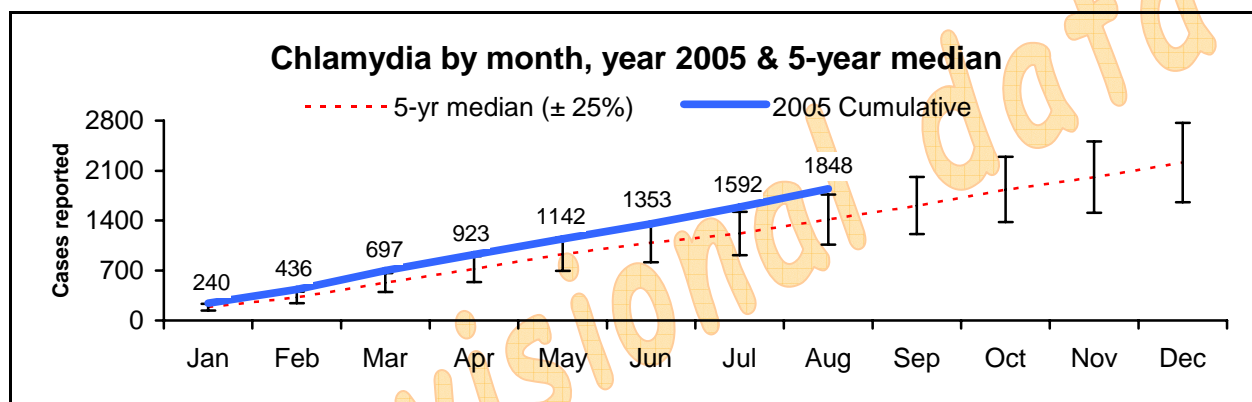
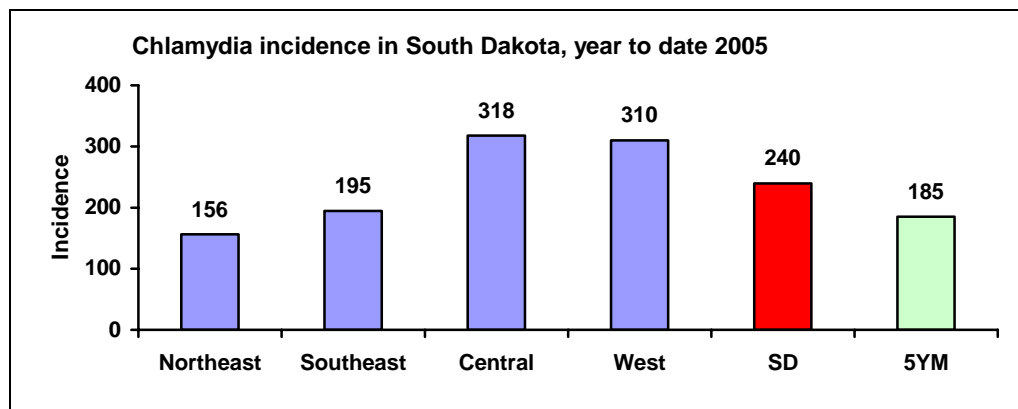
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

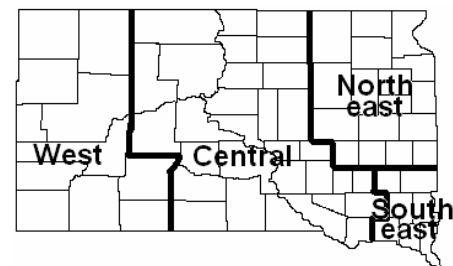
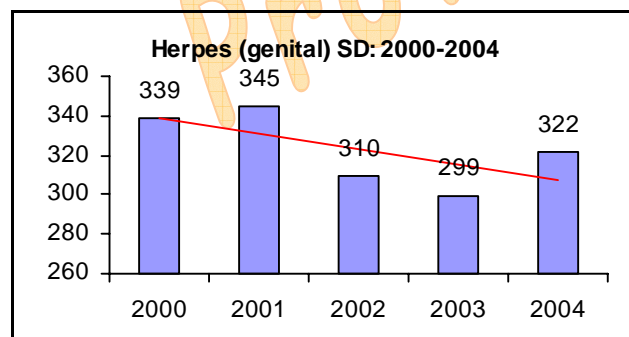
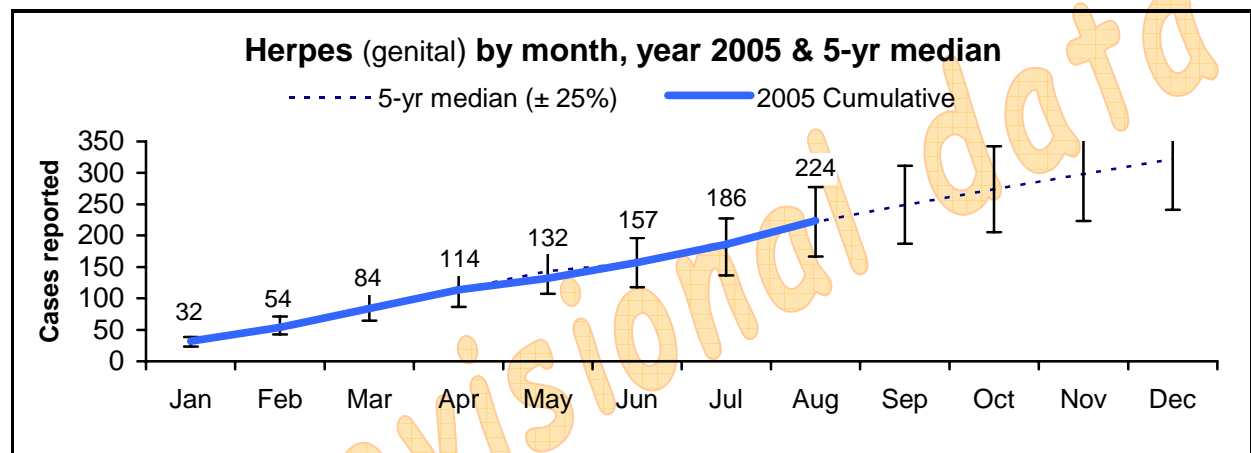
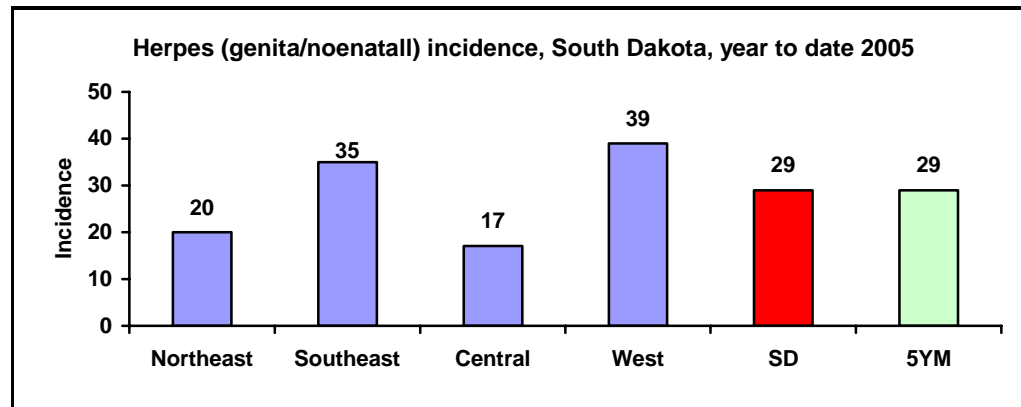
5YM= 5-year median

Population based on 2003 estimates

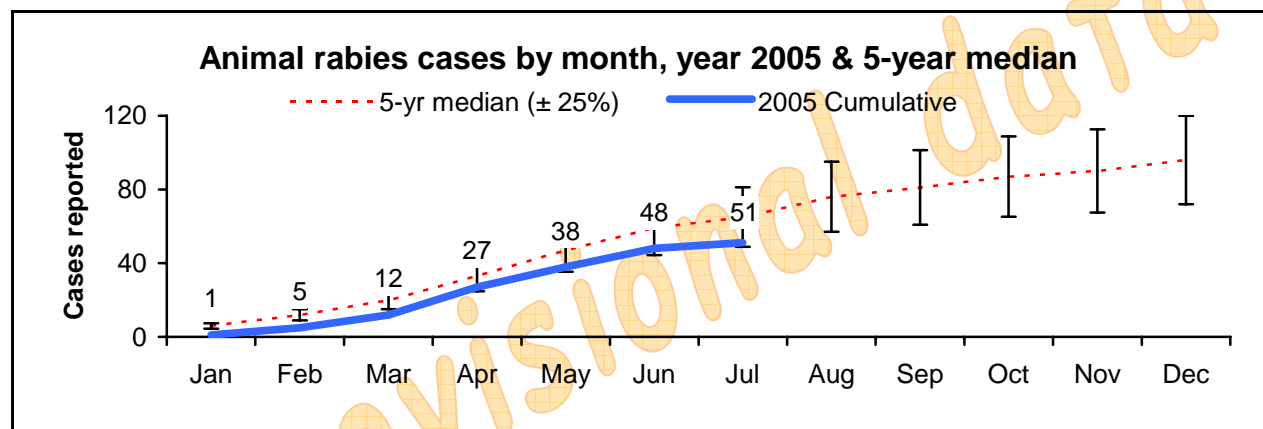
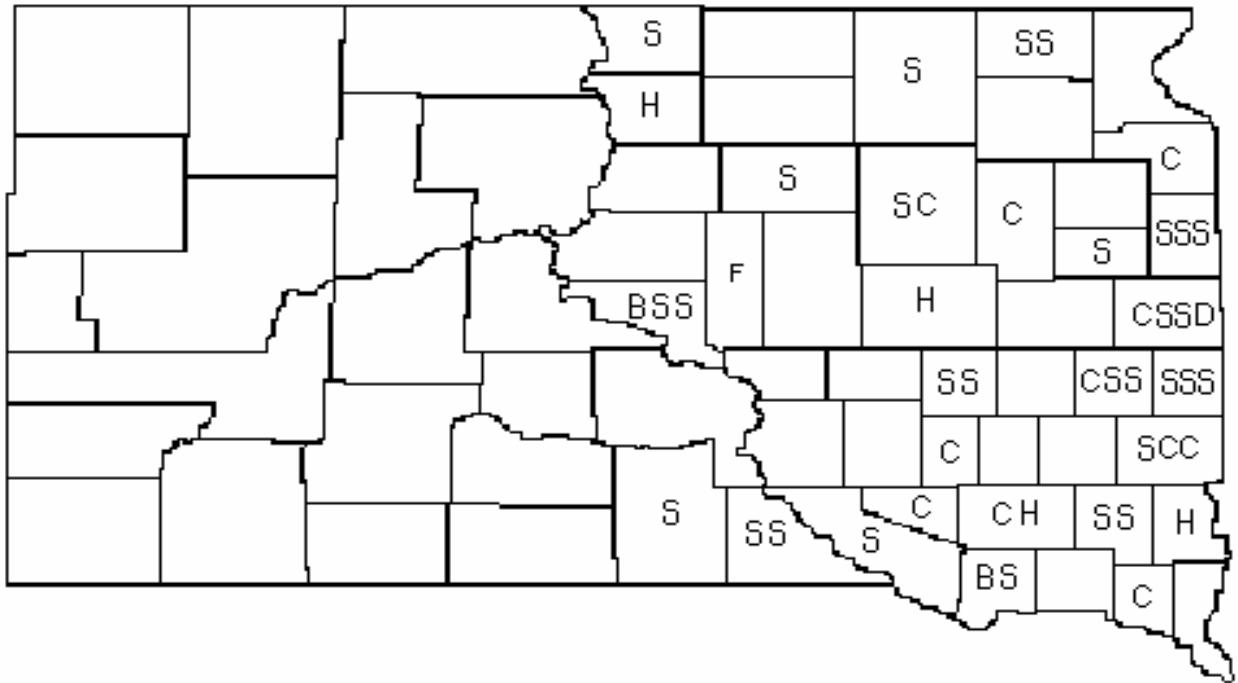
CHLAMYDIA TRACHOMATIS											
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
NorthEast Region	176,361	276	156.5	36	40	50	41	35	20	25	29
SouthEast Region	248,114	485	195.5	59	51	56	55	60	66	66	72
Central Region	158,182	503	318.0	57	42	65	74	61	57	76	71
Western Region	188,226	584	310.3	88	63	90	56	63	68	72	84
West River	233,472	922	394.9	124	100	135	108	98	103	122	132
East River	537,411	926	172.3	116	96	126	118	121	108	117	124
South Dakota YTD	770,883	1,848	239.7	240	196	261	226	219	211	239	256



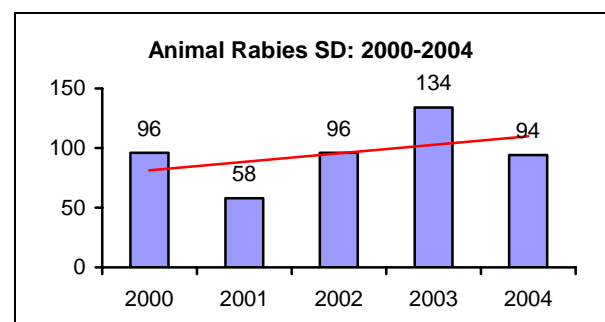
GENITAL HERPES											
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
NorthEast Region	176,361	36	20.4	4	3	5	7	3	3	5	6
SouthEast Region	248,114	87	35.1	12	12	7	12	6	10	13	15
Central Region	158,182	27	17.1	4	0	4	6	3	3	3	4
Western Region	188,226	74	39.3	12	7	14	5	6	9	8	13
West River	233,472	80	34.3	12	7	15	6	7	10	8	15
East River	537,411	144	26.8	20	15	15	24	11	15	21	23
South Dakota YTD	770,883	224	29.1	32	22	30	30	18	25	29	38



Animal Rabies in South Dakota, 1 January – 31 July 2005.



Animal	Number tested	Number Positive	% Positive
Bat (B)	43	2	5%
Cattle (C)	83	11	13%
Dog (D)	95	1	1%
Horse (H)	16	4	25%
Cat (F)	129	1	1%
Skunk (S)	41	32	78%
Raccoon (R)	20	0	-
Other*	26	0	-
Total	453	51	13%



*Other animals tested: badger, goat, coyote, fox, gopher, opossum, sheep, squirrel, tiger, and wolf .

Incidence = cases reported per 100,000 population.

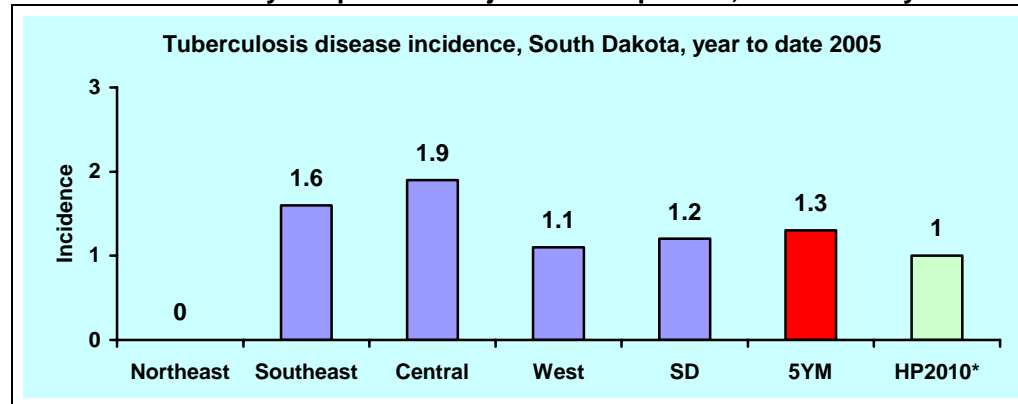
***Confidential disease reporting line 1-800-592-1804**

5YM= 5-year median

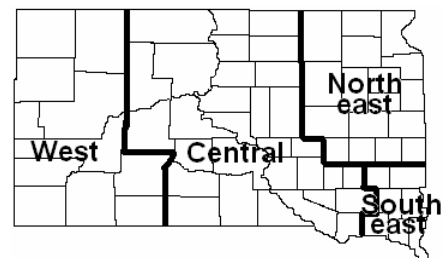
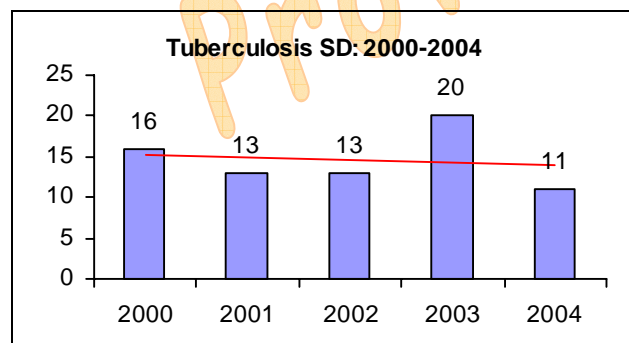
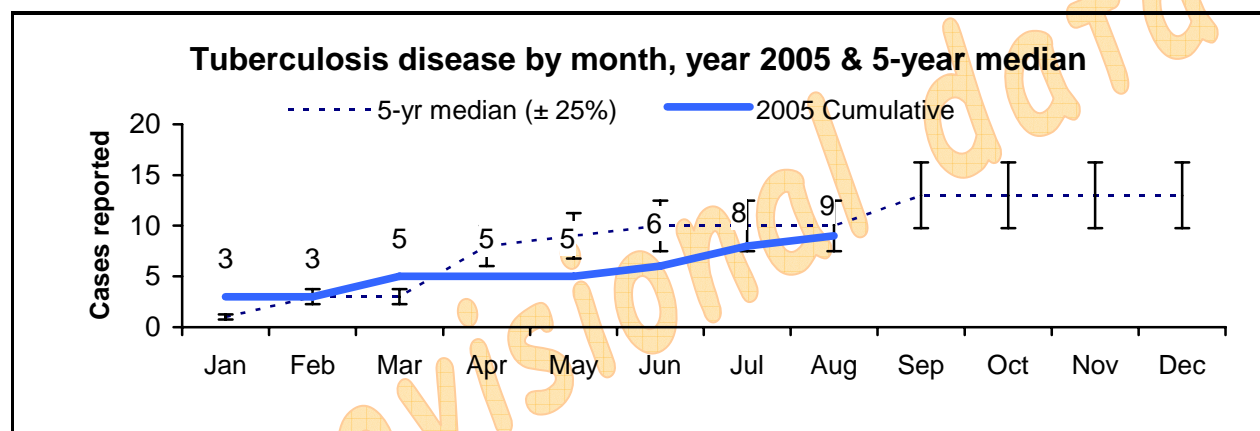
Population based on 2003 estimates

TUBERCULOSIS DISEASE											
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
NorthEast Region	176,361	0	0.0	0	0	0	0	0	0	0	0
SouthEast Region	248,114	4	1.6	2	0	1	0	0	0	1	0
Central Region	158,182	3	1.9	1	0	0	0	0	1	1	0
Western Region	188,226	2	1.1	0	0	1	0	0	0	0	1
West River	233,472	4	1.7	1	0	1	0	0	0	1	1
East River	537,411	5	0.9	2	0	1	0	0	1	1	0
South Dakota YTD	770,883	9	1.2	3	0	2	0	0	1	2	1

Tuberculosis Healthy People 2010 Objective: 1.0 per 100,000 for a full year.



*Healthy People 2010 Objective for full year.



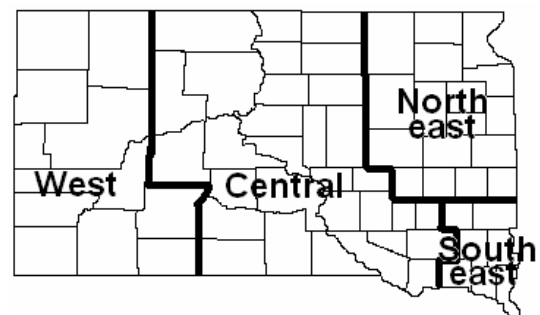
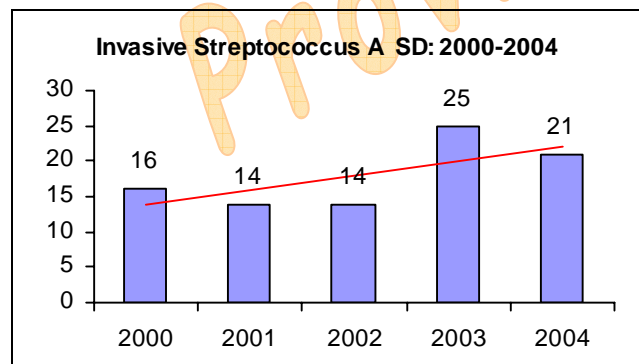
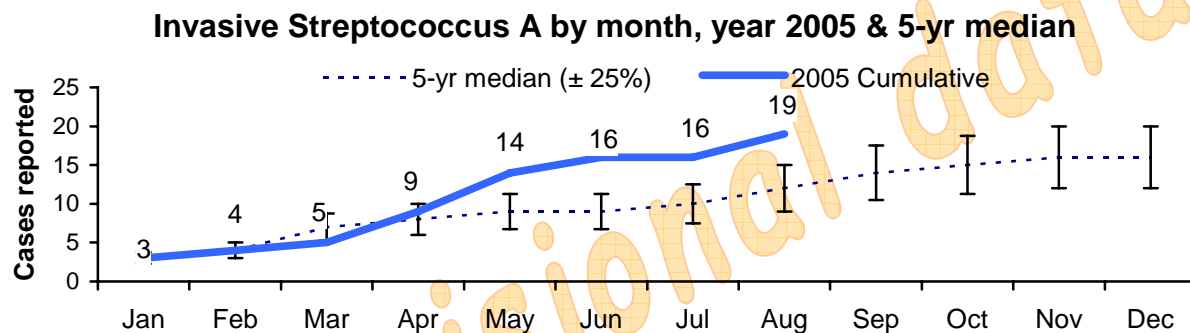
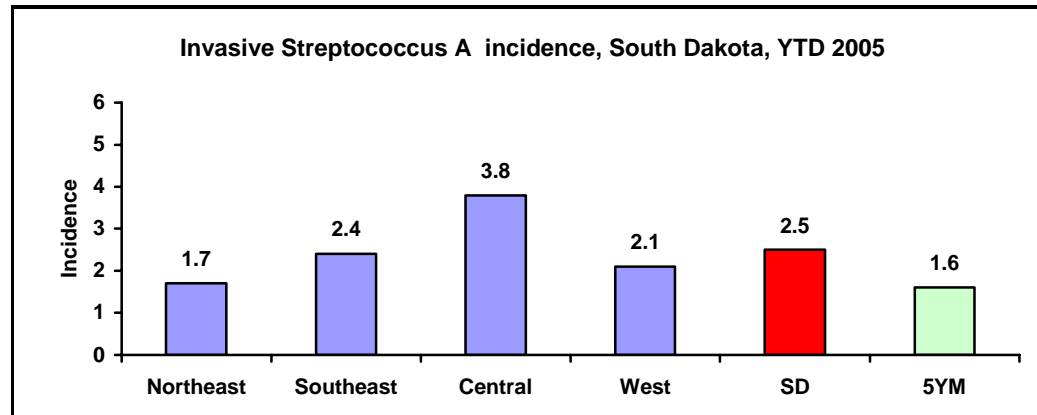
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

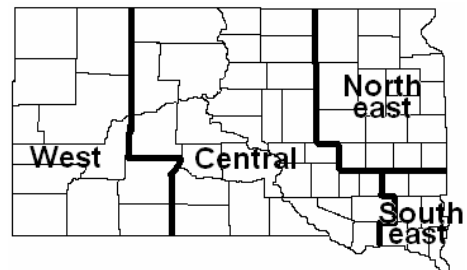
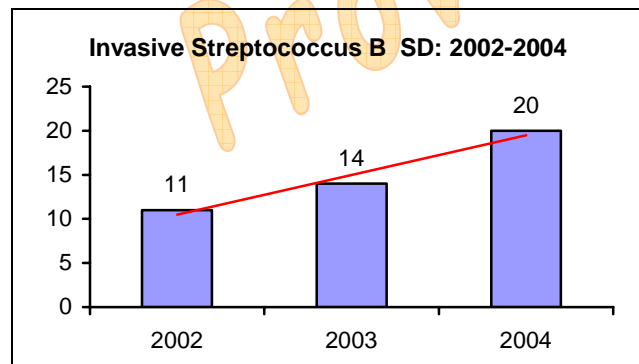
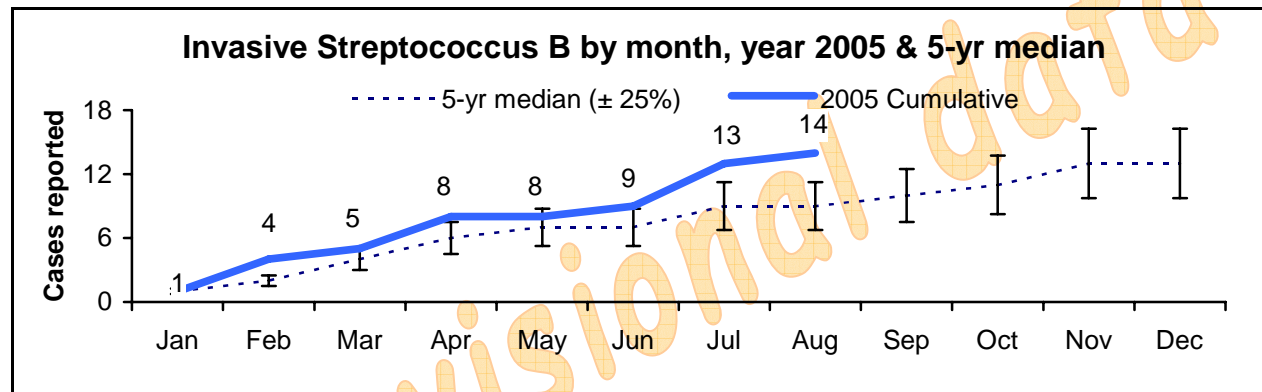
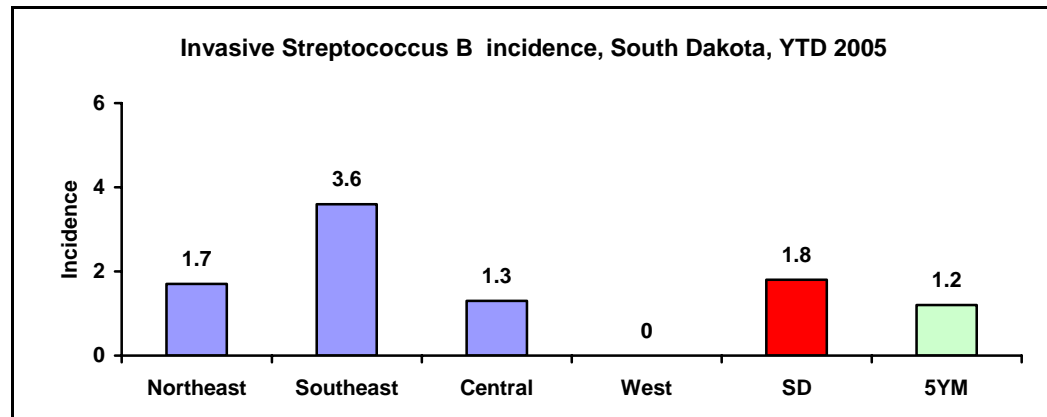
5YM= 5-year median

Population based on 2003 estimates

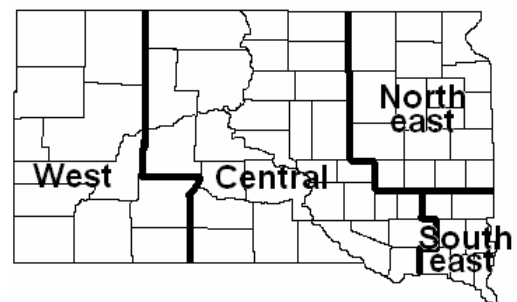
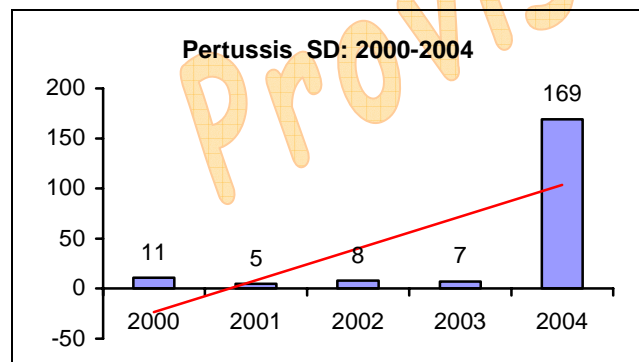
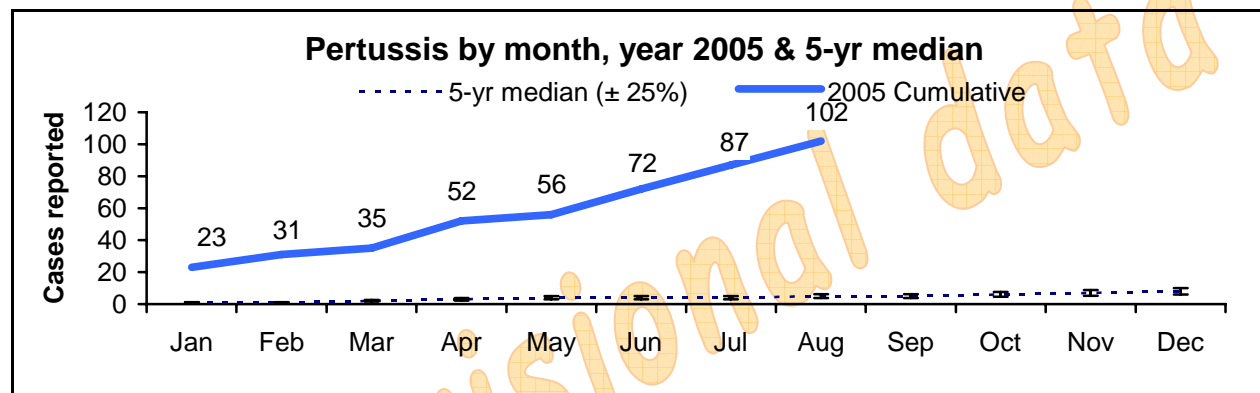
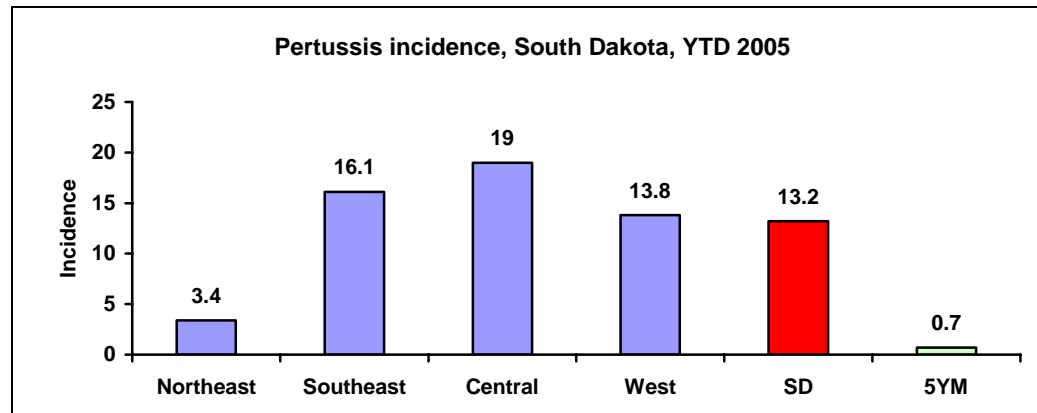
STREPTOCOCCUS GROUP A, INVASIVE												
REGION	Pop	#		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
		cases	Incidence									
NorthEast Region	176,361	3	1.7	0	1	0	0	1	1	0	0	
SouthEast Region	248,114	6	2.4	1	0	0	1	4	0	0	0	
Central Region	158,182	6	3.8	2	0	1	3	0	0	0	0	
Western Region	188,226	4	2.1	0	0	0	0	0	1	0	3	
West River	233,472	7	3.0	2	0	1	0	0	1	0	3	
East River	537,411	12	2.2	1	1	0	4	5	1	0	0	
South Dakota YTD	770,883	19	2.5	3	1	1	4	5	2	0	3	



STREPTOCOCCUS GROUP B, INVASIVE												
REGION	Pop	#		Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
		cases										
NorthEast Region	176,361	3		1.7	0	0	0	0	0	1	2	0
SouthEast Region	248,114	9		3.6	1	3	0	3	0	0	2	0
Central Region	158,182	2		1.3	0	0	1	0	0	0	0	1
Western Region	188,226	0		0.0	0	0	0	0	0	0	0	0
West River	233,472	2		0.9	0	0	1	0	0	0	0	1
East River	537,411	12		2.2	1	3	0	3	0	1	4	0
South Dakota YTD	770,883	14		1.8	1	3	1	3	0	1	4	1



PERTUSSIS				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
REGION	Pop	# cases	Incidence								
NorthEast Region	176,361	6	3.4	2	0	0	0	3	0	1	0
SouthEast Region	248,114	40	16.1	4	0	1	4	4	13	12	2
Central Region	158,182	30	19.0	12	3	8	1	3	1	1	1
Western Region	188,226	26	13.8	9	7	3	0	1	4	1	1
West River	233,472	33	14.1	13	7	3	0	3	5	1	1
East River	537,411	69	12.8	14	3	9	5	8	13	14	3
South Dakota YTD	770,883	102	13.2	27	10	12	5	11	18	15	4



Low Incidence or Newly Reportable Diseases in South Dakota, YTD2005

Shiga-toxin producing *E. coli*, non-0157:H7, 3 cases
Hemolytic uremic syndrome, 3 cases
Syphilis, primary or secondary, 1 case
Legionellosis, 10 cases
Hantavirus pulmonary syndrome, 2 cases
Hepatitis B, acute, 3 cases
Meningococcal disease, 2 cases
Q Fever, 1 case
Rocky Mountain spotted fever, 5 cases
Streptococcus pneumoniae, drug resistant, 3 cases
Toxic Shock Syndrome, *Staphylococcus aureus*, 1 case
Toxic Shock Syndrome, *Streptococcus pyogenes*, 1 case
Tularemia, 7 cases
Yersiniosis, 1 case

MRSA (invasive)*		#										
REGION	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
NorthEast Region	176,361	7	4.0	1	1	2	1	1	0	0	1	
SouthEast Region	248,114	20	8.1	3	0	5	2	1	3	0	6	
Central Region	158,182	7	4.4	0	1	3	0	0	2	0	1	
Western Region	188,226	0	0.0	0	0	0	0	0	0	0	0	
West River	233,472	2	0.9	0	0	1	0	0	0	0	1	
East River	537,411	32	6.0	4	2	9	3	2	5	0	7	
South Dakota YTD	770,883	34	4.4	4	2	10	3	2	5	0	8	

*Methicillin-resistant *Staphylococcus aureus* isolated from a normally sterile site such as blood or cerebral spinal fluid and joint, pleural, or pericardial fluid.

CHICKEN POX (varicella)		#										
REGION	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
NorthEast Region	176,361	13	7.4	4	3	0	5	0	0	0	1	
SouthEast Region	248,114	32	12.9	0	2	3	16	1	0	9	1	
Central Region	158,182	19	12.0	0	4	4	3	4	3	0	1	
Western Region	188,226	14	7.4	2	4	3	3	0	0	2	0	
West River	233,472	18	7.7	2	6	3	3	1	1	2	0	
East River	537,411	60	11.2	4	7	7	24	4	2	9	3	
South Dakota YTD	770,883	78	10.1	6	13	10	27	5	3	11	3	